

[Claims]

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1. A network security system comprising a server connected to a network, a received data storage means to store data with an external format which a server received through the network, a received data format conversion means to convert data with an external format stored in the received data storage means to data with an internal format, and to store it in a received-process data storage means and a host computer to execute a predetermined process utilizing data with the internal format stored in the received-process data storage means.
 2. The network security system according to claim 1, wherein the received data storage means allows data with an external format which the server received to be written, and prevents data by the server from being read out, a received process data storage means allows data with the internal format to be read out by the host computer and prevents data from being written by the host computer.
 3. The network security system according to claim 1 or 2, wherein the received data storage means allows data with an external format to be read out by the received data format conversion means and prevents data from being written by the received data format conversion means, and the received process data storage means allows data with the internal format to be written by the received data format conversion means and prevents data from being read out by the received data format conversion means.
 4. The network security system according to any one of claims 1 to 3, wherein the data with the internal format are stored additionally with a predetermined time of period into the database of the host computer from the received-processing data storage means.
 5. The network security system according to claim 4, wherein the conversion process from data with an external format to data with the internal format by the received data format conversion means and additional storage process of the data with the internal format to the database of the host computer are executed in a lump sum manner with an independent timing respectively.
 6. The network security system according to any one of claims 1 to 3, wherein the received data format conversion means converts data with an external format to data with database format.
 7. The network security system according to any one of claims 1 to 3, wherein the server sends data with mail format to the received data storage means and writes data with an external format.
 8. The network security system according to any one of claims 1 to 3, wherein the network is the Internet.
 9. A network security system comprising a host computer to execute a predetermined process by use of data with an internal format, a transmit process data format conversion means to storage data sent to the network, a transmit data format conversion means to convert data with the internal format stored in the transmit process data storage means and to store it in the transmit data storage means, and a server to send data with an external format stored in the transmit data storage means to the network.
 10. The network security system according to claim 9, wherein the sending process data storage means allows data with the internal format to be written by the host computer and prevents data from being read out by the host computer, and the transmit data

- storage means allows data with an external format which the server sends to be read out and prevents data from being written by the server.
11. The network security system according to claim 9 or 10, wherein the transmit process data storage means allows data with the internal format to be read out by the transmit data format conversion means and prevents data from being written by the transmit data format conversion means, and the transmit data storage means allows data with an external format to be written and prevents data from being read out by the transmit data format conversion means.
12. The network security system according to any one of claims 9 to 11, wherein the conversion process from data with the internal format to data with an external format by the transmit data format conversion means is executed on an independent timing from the storage process of data with the internal format to the transmit process data storage means by the host computer.
13. The network security system according to any one of claims 9 to 11, wherein the server receives data with mail format from the transmit data storage means and sends it to the network.
14. The network security system according to any one of claims 9 to 11, wherein the network is the Internet.
15. A network security system comprising a received data storage means to storage data with an external format which a server received through the network, a received data format conversion means to convert data with an external format stored in the received data storage means to data with an internal format and to store it in the received process data storage means, a host computer to execute a predetermined process by use of data with the internal format stored in the received process data storage means, a transmit process data storage means to store data with the internal format sent to the network, a transmit data format conversion means to convert data with the internal format stored in the transmit process data storage means to data with an external format, and a server to send data with an external format stored in the transmit data storage means to the network.
16. The network security system according to claim 15, wherein the conversion process of from data with an external format to data with the internal format by the received data format conversion means, the additional storage process of the data with the internal format to the database of the host computer side, the conversion process from data with the internal format to data with an external format by the transmit data format conversion means, and the storage process of data with the internal format to the transmit process data storage means by the host computer each are executed with independent timing.
17. A network security system comprising a server connected to the network and a mail transfer section connected to a host computer side, wherein a mail client and a mail server are arranged in the server, a mail receiving section to receive mails through communication line from the mail client and a mail sending section to send mails through communication line to the mail server are arranged in the mail transfer section, and the host computer receives a data transfer from the server through the mail receiving section of the mail transfer section and transfer data to the server through the mail sending section of the mail transfer section.
18. The network security system according to claim 17, wherein the communication line is a communication line dedicated to a mail.

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A network security system comprising a mail server arranged on the network side and a mail transfer section arranged on the host computer side, wherein a mail receiving section to receive mails from the mail server through a mail dedicated line and a mail sending section to send mails to the mail server through a mail dedicated line are arranged, and the host computer receives data transfer from the mail server through the mail receiving section of the mail transfer section and transfer data to the mail server through the mail sending section of the mail transfer section.